ABSTRACT

According to one embodiment of the present invention, software resides on the NAS device itself to automatically look for a Jini lookup service with a specific NAS device domain. Once found, the NAS device registers itself as a NAS storage device with the Jini lookup service. Additionally, software resides on the storage device providing device specific instructions to implement a set of generic commands for interfacing with the device. A generic interface API is provided which all equipped storage devices will implement. This API is device independent. However, the implementation of it on the storage device itself is dependent on the internals of the device. This removes the burden of device specific knowledge from the user. With this implemented the user can configure multiple and diverse storage devices from a generic GUI regardless of the types of devices used. All device specific processing is performed by the device itself.